International Journal of Computer Mathematics VOLUME 38

INDEX

INDEX

SECTION A: Computer Systems

ANDERSSON, ARNE

Maintaining α-Balanced Trees by Partial Rebuilding, 37

CHENG, KAM HOI-see LI, KEQIN

DESAI, NISHA—see PARDALOS, PANOS M.

Evans, D. J. and Megson, G. M. A Systolic Simplex Algorithm, 1

GUPTA, D. K.

On the Generation of P-Sequences, 31

Kuo, R. T. and Tseng, S. S.

Stable Matching with Special Preference Patterns, 153

Li, Keqin and Cheng, Kam Hoi

Worst Case Performance Analysis of the Two Dimensional Binary Buddy System, 123

LIN, CHAU-JY

Parallel Permutation Generation on Linear Array, 113

MEGSON, G. M .- see Evans, D. J.

PARDALOS, PANOS, M. and DESAI, NISHA,

An Algorithm for finding a Maximum Weighted Independent Set in an Arbitrary Graph, 163

RAO, NAGESWARA, S. V.—see ZHANG, WEIZIONG

TSENG, S. S .- see Kuo, R. T.

ZHANG, WEIZIONG and RAO, NAGESWARA, S. V.

Heuristic Tree Search with Nonparametric Statistical Inference Methods, 133

SECTION B: Applications

ABDULLAH, ABDUL, RAHMAN

The Four Point Explicit Decoupled Group (EDG) Method: A Fast Poisson Solver, 61

BALACHANDRAN, K. and MURUGESAN, K.

Numerical Solution of a Singular Nonlinear System from Fluid Dynamics, 210

CAPPELLO, PETER, R.—see KOC, CETIN K.

CORRADI, GIANFRANCO

Quasi-Newton Methods for Nonlinear Equations and Unconstrained Optimization Problems, 71

DE MEYER, H., VANDEN BERGHE, G. and VANTHOURNOUT, J.

Numerical Quadrature based on an Exponential Type of Interpolation, 193

INDEX iii

Evans, D. J. and Levin, M. D.

A New Bordering Strategy for Solving Block-Tridiagonal Linear Systems, 49

EVANS, D. J. and MURPHY, C. P.

An Automatic Procedure for the Solution of Fourth Order Differential Equations by Chebyshev Polynomials, 177

GALLOPOULOS, E.—see Koc, CETIN K.

JAIN, M. K., JAIN, R. K. and MOHANTY, R. K.

A Higher-Order Difference Method for 3-D Parabolic Partial Differential Equations with Nonlinear First Derivative Terms, 101

JAIN, R. K .- see JAIN, M. K.

KOC, CETIN K., CAPPELLO, PETER R. and GALLOPOULOS, E. Decomposing Polynomial Interpolation for Systolic Arrays, 219

LEVIN, M. D.—see EVANS, D. J.

MAVROMATIS, HARRY A.

Some Comprehensive Expressions for π and $1/\pi$, 91

MOHANTY, R. K .- see JAIN, M. K.

MURPHY, C. P.—see EVANS, D. J.

MURUGESAN, K .- see BALACHANDRAN, K.

Su, Xiu-Min—see Zhang, Bao-Lin

VANDEN BERGHE, G.—see DE MEYER, H.

VANTHOURNOUT, J.—see DE MEYER, H.

ZHANG, BAO-LIN and Su, XIU-MIN

Alternating Block Explicit-Implicit Method for the Two-Dimensional Diffusion Equation, 241



